



PAUL R. LEPAGE  
GOVERNOR

STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL MERCER  
COMMISSIONER

**R.S. Pidacks, Inc.  
Androscoggin County  
Livermore, Maine  
A-853-71-E-A (SM)**

**Departmental  
Findings of Fact and Order  
Air Emission License  
Amendment #1**

**FINDINGS OF FACT**

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (Department) finds the following facts:

**I. REGISTRATION**

**A. Introduction**

R.S. Pidacks, Inc. (RSP) of Livermore, Maine was issued Air Emission License A-853-71-D-R on May 23, 2013, permitting the operation of emission sources associated with their portable crushed stone and gravel facility.

RSP has requested an amendment to their license in order to remove rock crushers Primary C-1 and Cone C-3 from their license and add a parts washer and three new rock crushers, Primary C-1 KPI FT2650, Cone C-3 Cedarapids MVP380, and C-5 Cedarapids CRJ3255, to their license.

The equipment addressed in this license amendment is located at 1801 Federal Road, Livermore, Maine.

**B. Emission Equipment**

The following equipment is addressed in this Air Emission License amendment:

**Rock Crushers**

<b><u>Designation</u></b>	<b><u>Powered</u></b>	<b><u>Process Rate (tons/hour)</u></b>	<b><u>Date of Manuf.</u></b>	<b><u>Control Device</u></b>
Primary C-1 KPI FT2650	G-3	350	2013	Spray Nozzles
Cone C-3 Cedarapids MVP380	G-2	325	2013	Spray Nozzles
C-5 Cedarapids CRJ3255	G-1	450	2015	Spray Nozzles

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826  
RAY BLDG., HOSPITAL ST.

BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

PORTLAND  
312 CANCO ROAD  
PORTLAND, MAINE 04103  
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE  
1235 CENTRAL DRIVE, SKYWAY PARK  
PRESQUE ISLE, MAINE 04769  
(207) 764-0477 FAX: (207) 760-3143

RSP also uses a small parts washer for maintenance purposes.

C. Application Classification

The modification of a minor source is considered a major or minor modification based on whether or not expected emission increases exceed the "Significant Emission" levels as defined in the Department's *Definitions Regulation*, 06-096 CMR 100 (as amended). This amendment will not change the facility's licensed annual emissions; therefore, this modification is determined to be a minor modification and has been processed as such.

II. **BEST PRACTICAL TREATMENT**

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in 06-096 CMR 100. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. Rock Crushers

Rock crushers Primary C-1 KPI FT2650, Cone C-3 Cedarapids MVP380, and C-5 Cedarapids CRJ3255 are portable units which were manufactured in 2013, 2013 and 2015 with rated capacities of 350 tons per hour, 325 tons per hour, and 450 tons per hour, respectively.

1. BACT/BPT Findings

The regulated pollutant from the rock crushers is particulate matter emissions. To meet the requirements of BACT for control of particulate matter emissions from the rock crushers, RSP shall maintain water sprays on each rock crusher and operate them as needed to control visible emissions.

Visible emissions from each rock crusher shall be limited to no greater than 10% opacity on a six-minute block average basis. This BACT requirement is more stringent than the 12% opacity limit required by 40 CFR Part 60, Subpart OOO.

**2. New Source Performance Standards**

Rock crushers Primary C-1 KPI FT2650, Cone C-3 Cedarapids MVP380, and C-5 Cedarapids CRJ3255 are subject to EPA New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart OOO for Nonmetallic Mineral Processing Plants manufactured after August 31, 1983, with capacities greater than 150 tons/hr for portable plants and greater than 25 tons/hr for non-portable plants based on the size and manufactured date of the crushers.

**a. 40 CFR Part 60, Subpart OOO requirements:**

**(1) Monitoring Requirements:**

- (i) RSP shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). RSP shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [40 CFR §60.674(b)]

**(2) Testing Requirements:**

- (i) RSP shall conduct initial performance tests on Primary C-1 KPI FT2650, Cone C-3 Cedarapids MVP380, Jaw C-4, and C-5 Cedarapids CRJ3255 no later than 30 days after startup in spring 2016. Each performance test shall be done using the methods set forth in 40 CFR Part 60, Subpart OOO, §60.675.  
[40 CFR Part 60, Subpart OOO §60.675(c) and 06-096 CMR 115, BACT/BPT]
- (ii) RSP shall submit a test notice to the regional inspector at least 7 days prior to conducting a performance test.  
[40 CFR Part 60, Subpart OOO §60.675(g)]

**(3) Reporting and Recordkeeping Requirements:**

- (i) The rock crushers are all subject to 40 CFR Part 60 Subparts A and OOO and RSP shall comply with the notification and record keeping requirements of 40 CFR Part 60.676 and Part 60.7, except for Section (a)(1) of 60.7 per Subpart OOO, §60.676(h).  
[40 CFR Part 60, Subpart OOO §§60.676(b), (f), and (i)]

C. Parts Washer

The parts washer was manufactured and installed in 2013 and has a design capacity of 20 gallons. The parts washer is subject to *Solvent Cleaners*, 06-096 CMR 130 (as amended), and records shall be kept documenting compliance.

D. Annual Emissions

This amendment will not change the licensed annual emissions of the facility.

**ORDER**

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License amendment A-853-71-E-A, subject to the conditions found in Air Emission A-853-71-D-R and the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

**SPECIFIC CONDITIONS**

**Specific Condition (16) from Air Emission License A-853-71-D-R shall be replaced with the following condition:**

**(16) Rock Crushers (Primary C-1 KPI FT2650, Cone C-2, Cone C-3 Cedarapids MVP380, Jaw C-4, and C-5 Cedarapids CRJ3255)**

- A. RSP shall install and maintain spray nozzles for particulate control on each rock crusher and operate them as necessary to limit visible emissions to no greater than 10% opacity on a six-minute block average basis.  
[06-096 CMR 115, BACT/BPT and 06-096 CMR 101]

- B. RSP shall maintain records detailing and quantifying the hours of operation on a daily basis for each of the rock crushers. The operation records shall be kept on-site at the rock crushing location. [06-096 CMR 115, BACT/BPT]
- C. RSP shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). RSP shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location.  
[06-096 CMR 115, BACT/BPT and 40 CFR Part 60, Subpart OOO §60.674(b)]
- D. RSP shall conduct initial performance tests on Primary C-1 KPI FT2650, Cone C-3 Cedarapids MVP380, Jaw C-4, and C-5 Cedarapids CRJ3255 no later than 30 days after startup in spring 2016. Each performance test shall be done using the methods set forth in 40 CFR Part 60, Subpart OOO, §60.675.  
[06-096 CMR 115, BACT/BPT and 40 CFR Part 60, Subpart OOO §60.675(c)]
- E. RSP shall submit a test notice to the regional inspector at least 7 days prior to conducting a performance test. [06-096 CMR 115, BACT/BPT and 40 CFR Part 60, Subpart OOO §60.675(g)]
- F. The rock crushers are all subject to 40 CFR Part 60 Subparts A and OOO and RSP shall comply with the notification and record keeping requirements of 40 CFR Part 60.676 and Part 60.7, except for Section (a)(2) of 60.7 per Subpart OOO, §60.676(h). [40 CFR Part 60, Subpart OOO §§60.676(f) and (i)]

**The following is a new Condition to Air Emission License A-853-71-D-R:**

**(23) Parts Washer**

The parts washer at RSP is subject to *Solvent Cleaners*, 06-096 CMR 130 (as amended).

- A. RSP shall keep records of the amount of solvent added to the parts washer.  
[06-096 CMR 115, BPT]
- B. The following are exempt from the requirements of 06-096 CMR 130 [06-096 CMR 130]:
1. Solvent cleaners using less than two liters (68 oz) of cleaning solvent with a vapor pressure of 1.00 mmHg, or less, at 20° C (68° F);
  2. Wipe cleaning; and,

3. Cold cleaning machines using solvents containing less than or equal to 5% VOC by weight.
- C. The following standards apply to cold cleaning machines that are applicable sources under Chapter 130.
  1. RSP shall attach a permanent conspicuous label to the unit summarizing the following operational standards [06-096 CMR 130]:
    - a. Waste solvent shall be collected and stored in closed containers.
    - b. Cleaned parts shall be drained of solvent directly back to the cold cleaning machine by tipping or rotating the part for at least 15 seconds or until dripping ceases, whichever is longer.
    - c. Flushing of parts shall be performed with a solid solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray) at a pressure that does not exceed 10 psig. Flushing shall be performed only within the freeboard area of the cold cleaning machine.
    - d. The cold cleaning machine shall not be exposed to drafts greater than 40 meters per minute when the cover is open.
    - e. Sponges, fabric, wood, leather, paper products and other absorbent materials shall not be cleaned in the parts washer.
    - f. When a pump-agitated solvent bath is used, the agitator shall be operated to produce no observable splashing of the solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used.
    - g. Spills during solvent transfer shall be cleaned immediately. Sorbent material used to clean spills shall then be immediately stored in covered containers.
    - h. Work area fans shall not blow across the opening of the parts washer unit.
    - i. The solvent level shall not exceed the fill line.

R.S. Pidacks, Inc.  
Androscoggin County  
Livermore, Maine  
A-853-71-E-A (SM)

7

Departmental  
Findings of Fact and Order  
Air Emission License  
Amendment #1

2. The remote reservoir cold cleaning machine shall be equipped with a perforated drain with a diameter of not more than six inches.  
[06-096 CMR 130]

DONE AND DATED IN AUGUSTA, MAINE THIS 4 DAY OF February, 2016.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Marc Allen Robert Corne for  
PAUL MERCER, COMMISSIONER

**The term of this amendment shall be concurrent with the term of Air Emission License A-853-71-D-R.**

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 1/4/2016

Date of application acceptance: 1/8/2016

Date filed with the Board of Environmental Protection:

This Order prepared by Jonathan E. Rice, Bureau of Air Quality.

